

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): An isolated plant sucrose-inducible promoter sequence, comprising a DNA nucleotide sequence of a bp -1 to -1,908 region, relative to a transcription initiation site of SEQ ID NO: 1.
2. (original): The isolated plant sucrose-inducible promoter sequence according to claim 1, wherein the said promoter sequence is derived from an *ibAGP1* gene of sweetpotato ADP-glucose pyrophosphorylase.
3. (original): An isolated 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorylase gene, comprising a nucleotide sequence of a bp +1 to +68 region, relative to a transcription initiation site of SEQ ID NO: 1.
4. (currently amended): A sucrose-inducible binary vector for plant transformation, comprising ~~the plant sucrose-inducible promoter sequence of claim 1 and the 5' untranslated region of claim 3~~a plant sucrose-inducible promoter sequence, comprising a DNA nucleotide sequence of a bp -1 to -1,908 region, relative to a transcription initiation site of SEQ ID NO: 1;
and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene,
comprising a nucleotide sequence of a bp +1 to +68 region, relative to a transcription initiation
site of SEQ ID NO: 1.

5. (currently amended): A sucrose-inducible transient expression vector for plants,
comprising ~~the plant sucrose-inducible promoter sequence of claim 1 and the 5' untranslated~~
~~region of claim 3.~~ a plant sucrose-inducible promoter sequence, comprising a DNA nucleotide
sequence of a bp -1 to -1,908 region, relative to a transcription initiation site of SEQ ID NO: 1;
and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene,
comprising a nucleotide sequence of a bp +1 to +68 region, relative to a transcription initiation
site of SEQ ID NO: 1.

6. (original): An E. coli carrying the sucrose-inducible binary vector for plant
transformation of claim 4.

7. (original): An E. coli carrying the transient expression vector of claim 5.

8. (currently amended): A transgenic plant transformed with a binary vector
comprising ~~the plant sucrose-inducible promoter sequence of claim 1 and the 5' untranslated~~
~~region of claim 3.~~ a plant sucrose-inducible promoter sequence, comprising a DNA nucleotide
sequence of a bp -1 to -1,908 region, relative to a transcription initiation site of SEQ ID NO: 1;
and

a 5' untranslated region of a sweetpotato ADP-glucose pyrophosphorlyase gene,
comprising a nucleotide sequence of a bp +1 to +68 region, relative to a transcription initiation
site of SEQ ID NO: 1.

9. (currently amended): A PCR primers ~~of SEQ ID NOS: 2 and 3~~, suitable for
amplifying ~~the~~ a DNA fragment comprising the sequence of SEQ ID NO: 1, said primer being
represented by a sequence as shown in SEQ ID NO: 2 or 3.

10. (currently amended): A PCR primers ~~of SEQ ID NOS: 4 and 5~~, suitable for
amplifying ~~the~~ a DNA fragment comprising the sequence of SEQ ID NO: 1, said primer being
represented by a sequence as shown in SEQ ID NO: 4 or 5.